



ACM CODASPY 2011



Call for Papers

1st ACM Conference on Data and Application Security and Privacy

February 21-23 2011

Hilton Palacio Del Rio, San Antonio, Texas

Announcement: ACM SIGSAC announces the creation of a new annual ACM Conference on Data and Applications Security. The inaugural conference will be held February 21-23 2011 in Hilton Palacio Del Rio, San Antonio, Texas. With rapid global penetration of the Internet and smart phones and the resulting productivity and social gains, the world is becoming increasingly dependent on its cyber infrastructure. Criminals, spies and predators of all kinds have learnt to exploit this landscape much quicker than defenders have advanced in their technologies. Security and Privacy has become an essential concern of applications and systems throughout their lifecycle. Security concerns have rapidly moved up the software stack as the Internet and web have matured. The security, privacy, functionality, cost and usability tradeoffs necessary in any practical system can only be effectively achieved at the data and application layers. This new conference provides a dedicated venue for high-quality research in this arena, and seeks to foster a community with this focus in cyber security.

Scope: Data and the applications that manipulate data are the crucial assets in today's information age. With the increasing drive towards availability of data and services anytime anywhere, security and privacy risks have increased. Vast amounts of privacy-sensitive data are being collected today by organizations for a variety of reasons. Unauthorized disclosure, modification, usage or denial of access to these data and corresponding services may result in high human and financial costs. New applications such as social networking and social computing provide value by aggregating input from numerous individual users and/or the mobile devices they carry with them and computing new information of value to society and individuals. To achieve efficiency and effectiveness in traditional domains such as healthcare there is a drive to make these records electronic and highly available. The need for organizations and government agencies to share information effectively is underscored by rapid innovations in the business world that require close collaboration across traditional boundaries and the dramatic failure of old-style approaches to information protection in government agencies in keeping information too secret to connect the dots. Security and privacy in these and other arenas can be meaningfully achieved only in context of the application domain.

Data and applications security and privacy has rapidly expanded as a research field with many important challenges to be addressed. The goal of the conference is to discuss novel exciting research topics in data and application security and privacy and to lay out directions for further research and development in this area. The conference seeks submissions from diverse communities, including corporate and academic researchers, open source projects, standardization bodies, governments, system and security administrators, software engineers and application domain experts.

Topics: Include but not limited to

- Application layer security policies
- Authorization /Access Control for Applications
- Authorization/Access Control for Databases
- Data dissemination controls
- Data forensics
- Enforcement layer security policies
- Privacy preserving techniques
- Private information retrieval
- Search on protected/encrypted data
- Secure auditing
- Secure collaboration
- Secure data provenance
- Secure electronic commerce
- Secure information sharing
- Secure knowledge management
- Secure multiparty computations
- Secure software development
- Securing data/apps on untrusted platforms
- Securing the semantic web
- Security and Privacy in GIS/Spatial Data
- Security and Privacy in Healthcare
- Security policies for databases
- Social computing security and privacy
- Social networking security and privacy
- Trust metrics for application, data and user
- Web application security

General Chair:

Ravi Sandhu, Institute for Cyber Security (ICS), University of Texas at San Antonio

Program Chair:

Elisa Bertino, Center for Education and Research in Information Assurance and Security (CERIAS), Purdue U.



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Local Arrangements Chair:

Jeffrey Reich, Institute for Cyber Security (ICS), University of Texas at San Antonio

Publicity Chair:

Gail-Joon Ahn, Laboratory of Security Engineering for Future Computing (SEFCOM), Arizona State University

Important Dates:

Paper Submissions: ~~September 15th 2010~~ September 24th 2010

Notification: November 20th 2010

Camera Ready: December 16th 2010 (10:00AM EST)

Conference Web Site:

www.codaspy.org

Program Committee:

Gail-Joon Ahn	Arizona State University
Lujo Bauer	Carnegie Mellon University
Barbara Carminati	University of Insubria
Isabel Cruz	University of Illinois at Chicago
Elena Ferrari	University of Insubria
Gabriel Ghinita	Purdue University
Carl Gunter	University of Illinois at Urbana-Champaign
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Anupam Joshi	University of Maryland at Baltimore County
Peng Liu	The Pennsylvania State University
Wenbo Mao	EMC
Sharad Mehrotra	University of California at Irvine
Gunther Pernul	University of Regensburg
Ning Shang	Microsoft
Elaine Shi	PARC
Philippe Pucheral	University of Versailles
Dan Thomsen	Sandia National Labs
Bhavani Thuraisingham	University of Texas at Dallas
Vijay Varadharajan	Macquarie University
Xinwen Zhang	Samsung
William Winsborough	University of Texas at San Antonio
Duminda Wijesekera	George Mason University
Shouhuai Xu	University of Texas at San Antonio